DALI Cockpit Mobile
Room Controller Application

Manual
DALI Cockpit Mobile
Smartphone application
for DALI-2 Bluetooth 5.0
Room Controller
for set-up and configuration
of DALI systems

DALI-2 BT5 Room Controller
Art.Nr. 87454427

![Lunatone logo]

DALI Cockpit Mobile   Smartphone Application

Overview

the name of the currently connected BT5 Room Controller is displayed here

click to view all Bluetooth Room Controller devices in the surrounding area

control page with control elements (widgets)

Office 1

on
presentation

on
accent lighting

on · dim up —
task light

accent lighting

meeting room

meeting room

Control   Configuration

Link to the control page

Link to the configuration page

DALI-Cockpit/Mobile App - Google Store Download
https://play.google.com/store/apps/developer?id=Lunatone+Industrielle+Elektronik+GmbH&hl=de

DALI-Cockpit/Mobile App - Appstore Download

https://apps.apple.com/de/developer/lunatone/id624497126

The DALI Cockpit Mobile App currently supports the configuration of the following devices:

Operating devices / Control gear:
- DALI Dimmers– standard DALI settings of DALI gears (by Lunatone or other manufacturers)
- DALI Jalousie modules (Art. Nr.: 86458676)
- DALI Relay modules (Art. Nr.: 86458675, Art. Nr.: 86458629)

Sensors:
- DALI-2 CS (Art. Nr.: 86458670,
            Art. Nr.: 86457244,
   Art. Nr.: 88793325)
- DALI-2 LS (Art. Nr.: 68791433)

Controls:
- DALI-2 Touchpanel (Art. Nr.: 24035410)
- DALI-2 Switch Cross (Art. Nr.: 86459793-*colourcode*-2)
- DALI-2 MC (Art. Nr.: 86459532-2)
- DALI-2 MC4L (Art. Nr.: 86458507-4L-2)
- DALI-2 Rotary (Art. Nr.: 86459822,
            Art. Nr.: 86459822-TW,
            Art. Nr.: 86459822-RGB,
            Art. Nr.: 86459822-RGBW)

further control devices:
- DALI CDC (Art. Nr.: 89453853)
- DALI RTC (Art. Nr.: 86459531)
- DALI-2 Sequencer (Art. Nr.: 89453371)
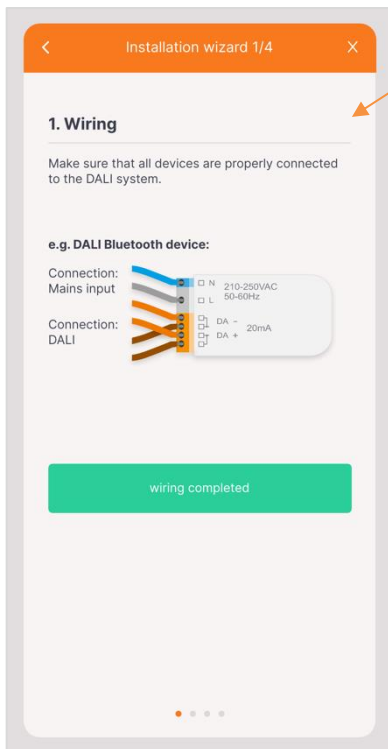
Lunatone
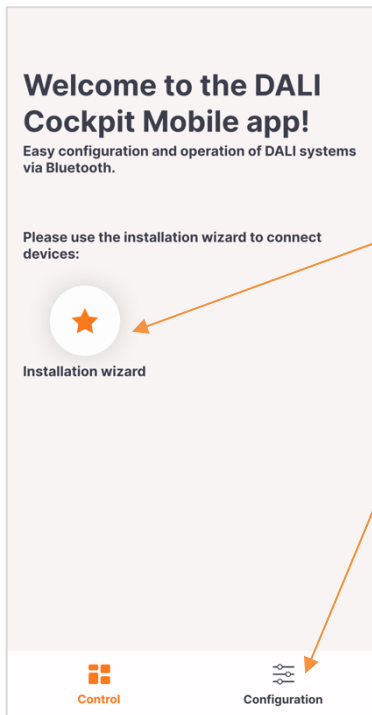
Start Screen

When opening the DALI Cockpit Mobile for the first time, the **start screen** appears.

Click on **"Installation Wizard"** to connect devices.

Or switch to the **configuration menu** to connect to a previously added Room Controller.

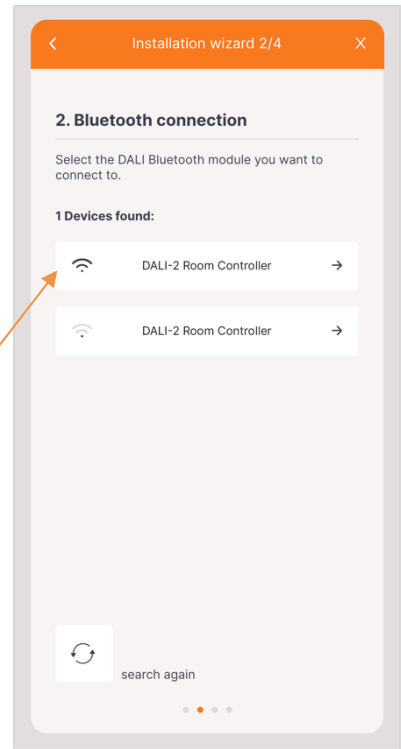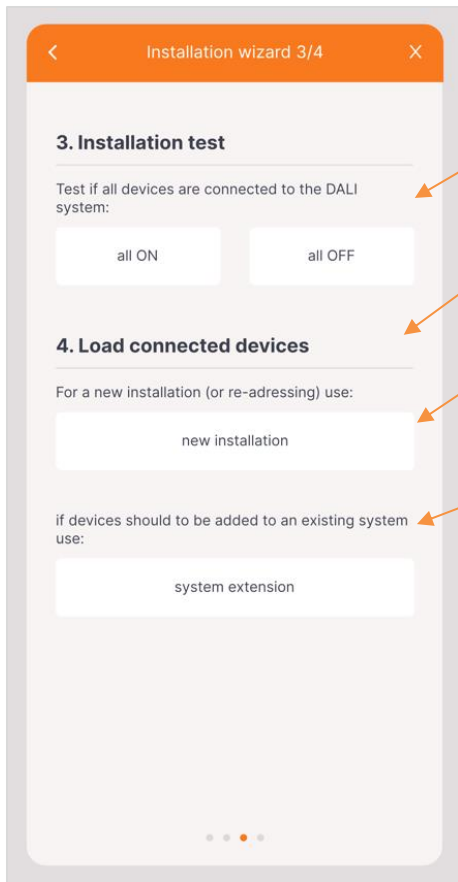**Installation assistant – load and address DALI systems in 4 steps**

Step 1 of 4:

For a new installation: Make sure that you have connected all devices correctly, then click on "successfully wired" to continue

Step 2 of 4:

Select the DALI-2 Room Controller module you would like to connect to.

Step 3 of 4:

Function test to confirm the connection of all connected luminaires by switching them on and off, before starting the addressing process.

Select which type of addressing process should be used:

- **"New installation"** – use if addressing has never been carried out or to newly set up a system.
  Attention: **existing addresses are deleted and reassigned**

- **"System expansion"** – use if devices are to be added to an existing DALI system, all existing, already integrated devices keep their addresses
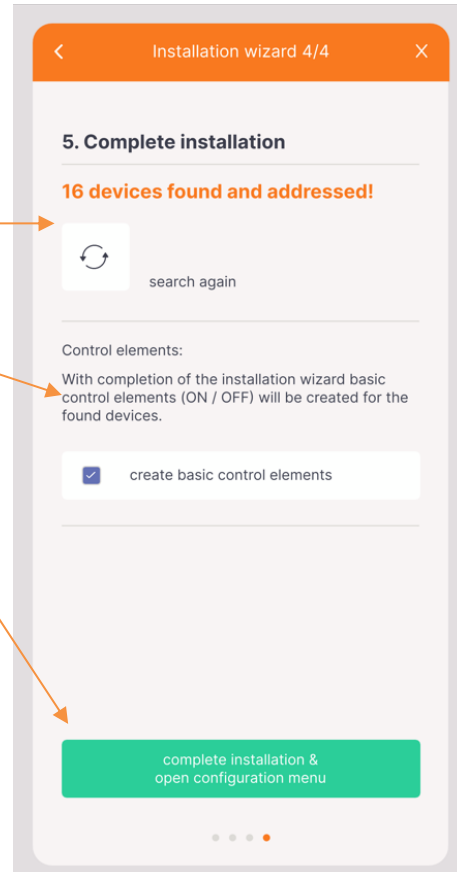
After clicking the button, the addressing process will begin. Reading out the bus can take some time, please be patient until all devices are found and addressed.

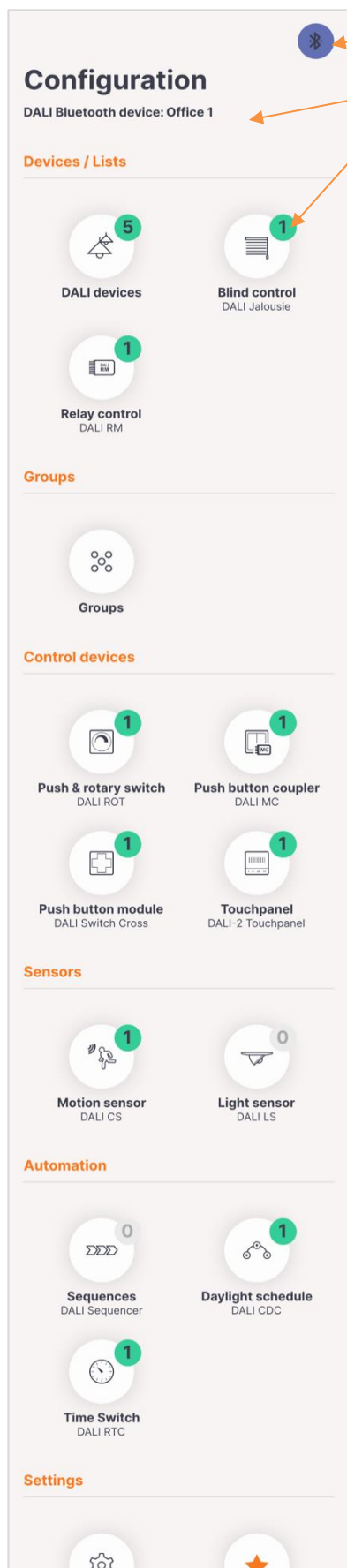**Step 4 of 4:**

The number of found and addressed devices will be displayed.

With the selection "**Control elements",** basic widgets for the control page are automatically created to control the found devices.

To finish the installation process, click "complete installation & open configuration menu".
The configuration page with links to all the devices' configuration menus will be displayed.

Configuration page - Overview

Configuration

DALI Bluetooth device: Office 1

Devices / Lists

DALI devices (5)

Blind control (1)
DALI Jalousie

Relay control (1)
DALI RM

Groups

Groups

Control devices

Push & rotary switch (1)
DALI ROT

Push button coupler (1)
DALI MC

Push button module (1)
DALI Switch Cross

Touchpanel (1)
DALI-2 Touchpanel

Sensors

Motion sensor (1)
DALI CS

Light sensor (0)
DALI LS

Automation

Sequences (0)
DALI Sequencer

Daylight schedule (1)
DALI CDC

Time Switch (1)
DALI RTC

Settings

Settings -> see next page

Select Bluetooth connection - here you can switch to other DALI-2 Bluetooth Room controllers

Displays the name of the currently connected Bluetooth device in the green circles the number of connected devices of the respective device type is displayed

Overview of the settings in the submenus:

Devices / Lists

DALI devices p.9	**Blind control** p.11
Name, basic settings, system failure level, group membership, (calibration)	Settings for up to 4 DALI blind modules: assign groups, set duration of a complete run, time for slat tilting

Relay control p.10	
Settings for DALI RM modules: Name, basic settings, system failure level, group membership, threshold values	

Groups

Groups p.11
Assign devices to a group

Control devices

Push & rotary switch – p.12 **DALI-2 ROT**	**Push button coupler –** p.13 **DALI-2 MC, DALI-2 MC4L**
Name, effective range, operating mode, functions (pressing, rotation)	Settings for up to 4 buttons: name, functions (short, long button press), effective range

Push button module – p.13 **DALI-2 Switch Cross**	**DALI-2 Touchpanel**
Settings for 4 buttons: functions (short, long button press), effective range	Select layout, key functions (short, long key press), effective range (keys, sliders)

Sensors

| **Motion sensor - DALI-2 CS** p.14	**Light sensor - DALI-2 LS**
Effective range, switch-on command, hold time, light level, second hold time, end command	Effective range, operating mode (constant light control or threshold value)

Automation

Sequences - DALI Sequencer	**Daylight schedule - DALI CDC** p.16
Create sequences: effective range, playback mode (single or loop), define sequence (time, fade time, scene)	change of light depending on daytime: different color temperature and brightness can be set for each hour

Time switch - DALI RTC p.15	
Effective range, day selection, time stamp (daytime / relative to the position of the sun), function	
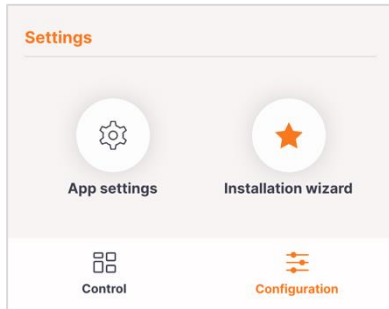
Settings

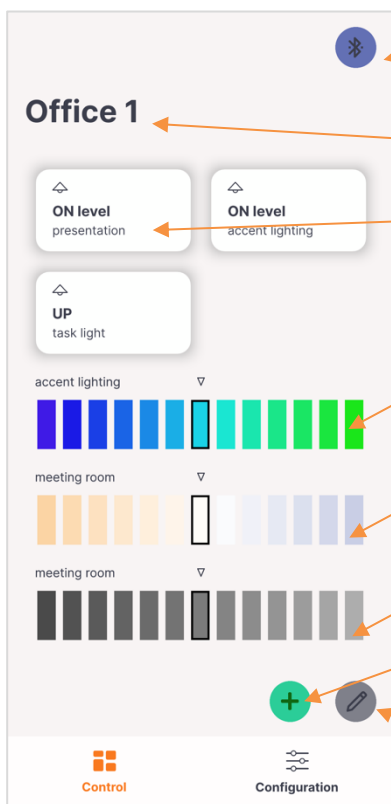|	
App settings p.16 Language (German, English), access rights and user management	**Installation wizard** p.3 Assistant for connecting and addressing devices

Tab bar

Control p.7 link to the control page	**Configuration** p.6 link to the configuration page

Control page - Overview

Bluetooth connection - here you can switch to other DALI-2 Bluetooth Room controllers

name of the connected **Bluetooth device**

Control element (widget): **button**
function (e.g. ON level)
Name (e.g. presentation)
function for press and long press

Control element:
RGB slider

Control element:
Tunable White CW-WW slider

Control element: **brightness slider**
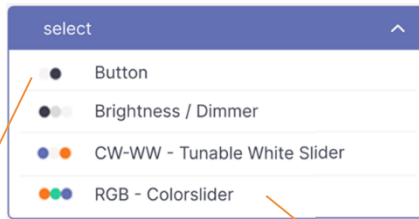
Add control element

Edit control elements

Tab bar

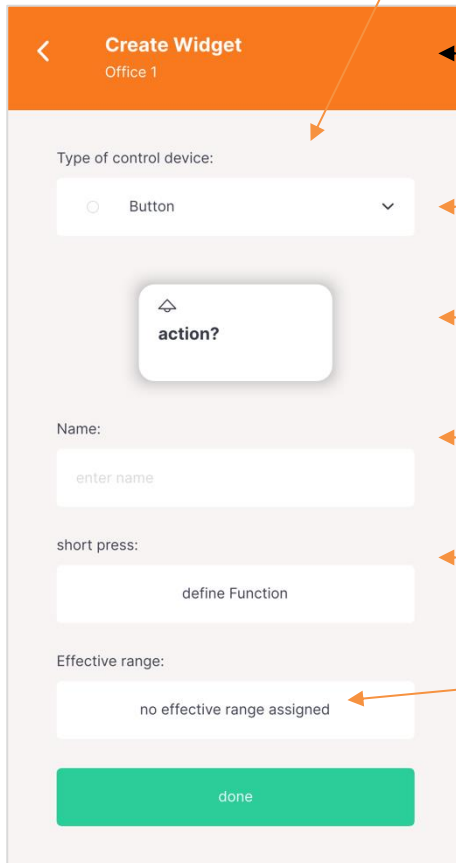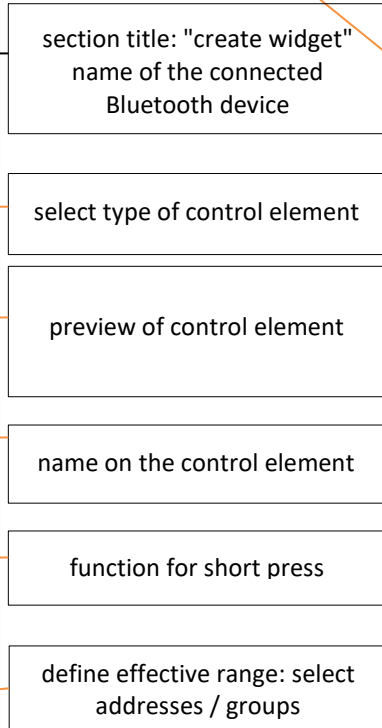|	
Control p.7 link to the control page	**Configuration** p.6 link to the configuration page

Control page: add a new control element

Select type of control element:

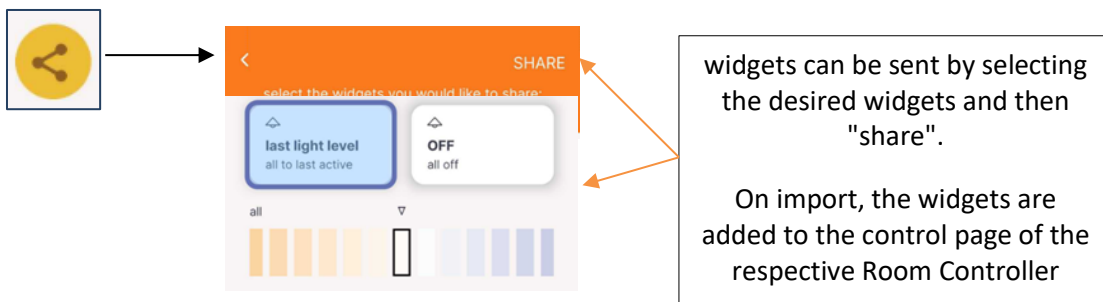| select	⌃
●	Button
●○	Brightness / Dimmer
●●	CW-WW - Tunable White Slider
●●●	RGB - Colorslider

create button:

Create Widget
Office 1

Type of control device:

Button ⌄

action?

Name:

enter name

short press:

define Function

Effective range:

no effective range assigned

done

section title: "create widget" name of the connected Bluetooth device

select type of control element

preview of control element

name on the control element

function for short press

define effective range: select addresses / groups

create RGB colour slider:

Create Widget
Office 1

Type of control device:

RGB - Colorslider ⌄

Name

enter name

Effective range:

no effective range assigned

done

Control page: share widgets

The created widgets can be shared with other users via the "share" button on the user interface:

SHARE

select the widgets you would like to share:

last light level
all to last active

OFF
all off

all

widgets can be sent by selecting the desired widgets and then "share".

On import, the widgets are added to the control page of the respective Room Controller

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Configuration page: Devices / Lists: Overview of the DALI ballasts found

| DALI devices | |
| Office 1 | |

Section title: "DALI devices"
name of the connected **Bluetooth device**

⌂ Luminary Office A   G0, G1, G5, G8   ⌃

tab for each device, it shows the name of the device and assigned groups. When clicked the available settings appear.

☀

ON/OFF Button

Name: DALI address: A2

DALI address of the device

Luminary Office A

device name (app internal)

Basic settings

MIN Level:
3.6%

MAX Level:
0.3%

Power On Level:
0.1%

Fade Time:
90.5s

Basic settings
MIN Level in %
MAX Level in %
Power ON Level in %
Fade Time in seconds
Fade Rate in steps / second

Fade Rate [steps/s]:
4.0

System Failure Level

○ 0%
○ 100%
○ No change

System Failure Level
Device behaviour in the event of a system error:
all lights off - 0%
all lights on - 100%
no change

Group membership

Group membership
click on the desired groups to assign it to the device

G0	G1	G2	G3
G4	G5	G6	G7
G8	G9	G10	G11
G12	G13	G14	G15

Calibration

- Calibration of 0.1% level for standard LED lights
- Calibration of CW-WW: Define max warm, max cold and neutral white
- Calibration of RGBW: define "white".

CW-WW - Calibrate warm and cold white:
move the slider until the reproduced light matches the title:

100% warm white

100% cold white

neutral white

COMING SOON

RGBW: Calibrate white area:

move the slider until your lamp glows "white".

⌂ **Luminary window row**   G0, G1, G2   ⌄

⌂ **Luminary entrance**   G0   ⌄

⌂ **Luminary meetingpoint**   G0, G2, G5   ⌄

⌂ **Luminary shared space**   G8   ⌄

Further devices (up to 64)

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Configuration page: Devices / Lists: Relay Control

Relay control Office 1	Section title: "Relay control" name of the connected **Bluetooth device**
i Information & help	tab for each device, it shows the name of the device and assigned groups. When clicked the available settings appear.
RM A4 RM G1	

☀️ → ON/OFF Button

Name: DALI address: A4 → DALI address of the device

New name → device name (app internal)

Basic settings

MIN Level:
0.9%

MAX Level:
7.5%

Power On Level:
8.8%

Fade Time:
8.0s

Fade Rate [steps/s]:
44.7

Basic settings
MIN Level in %
MAX Level in %
Power ON Level in %
Fade Time in seconds
Fade Rate in steps / second

System Failure Level

○ 0%

○ 100%

● No change

System Failure Level
device behaviour in the event of a system error:
all lights off - 0%
all lights on - 100%
no change

Group membership

Sh...	Lo...	G2	G3
G4	G5	G6	G7
G8	G9	G10	G11
G12	G13	G14	G15

Group membership
click on the desired groups to assign it to the device

Switching threshold

UP switch-ON threshold:
3.0%

DOWN switch-ON threshold:
MASK

UP switch-OFF threshold:
MASK

DOWN switch-OFF threshold:
1.7%

Switching threshold
Available thresholds to select at which levels the DALI RM switches from ON to OFF or from OFF to ON.

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Configuration page: Devices / Lists: Blind control

| **Blind control** Office 1 | Section title: "Blind control" name of the connected **Bluetooth device** |

| i Information & help | |
| A1 DALI Jalousie G1 | tab for each device, it shows the name of the device and assigned groups. When clicked the available settings appear. |

Group membership

Sh...	Lo...	G2	G3
G4	G5	G6	G7
G8	G9	G10	G11
G12	G13	G14	G15

Group membership click on the desired groups to assign device

Blind control

complete run: 34.3
(min:s) ▽

Blind control Define time for a complete run and for how long slats should be tilted.

tilt slats: 40.0
sec ▽

Configuration page: Groups:

| **Groups** Office 1 | section title: "DALI Groups" name of the connected Bluetooth device |

| i Information & help | |

DALI groups
With group commands whole areas can be switched and dimmed simultaneously. The DALI system supports up to 16 groups, each DALI device can belong to one or more groups.

| G0: Shared space | tab for each group |

Name:

Shared space → Define the name of the group (app internal)

Devices in this group: → click button to assign devices to this group

Luminary Office A, Luminary shared space → ON / OFF switch (to test the entire group)

🗑 ☼ → remove all assigned devices

| G1: Lounge area | further groups, 16 in total |

Configuration page: Control devices: Push & rotary switch – DALI-2 ROT

Configuration page: Control devices: Push button coupler – DALI-2 MC
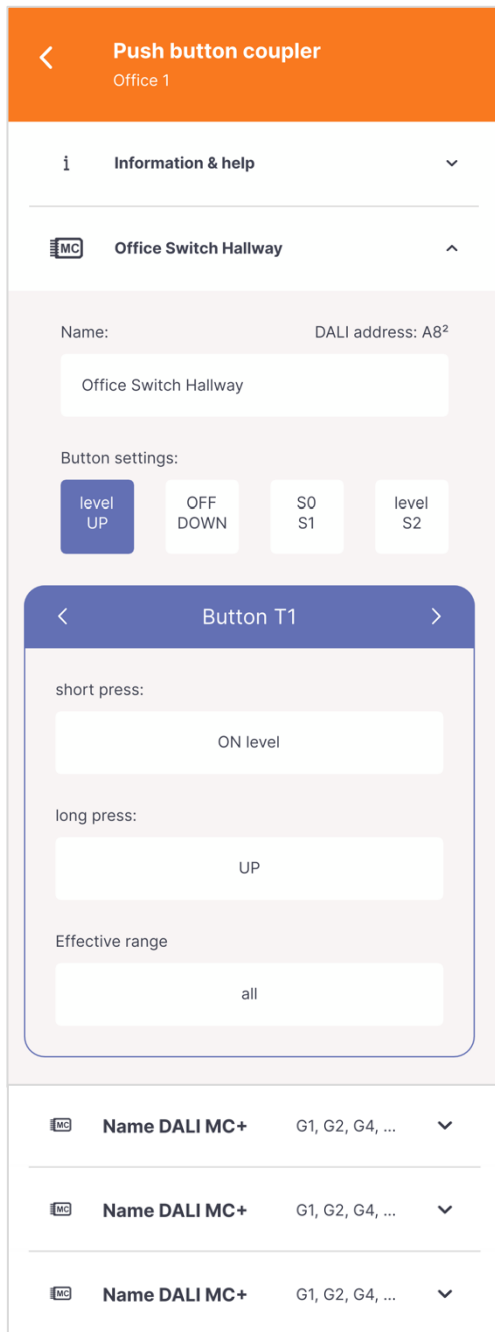
Configuration page: Control devices: Push button module – DALI-2 Switch Cross
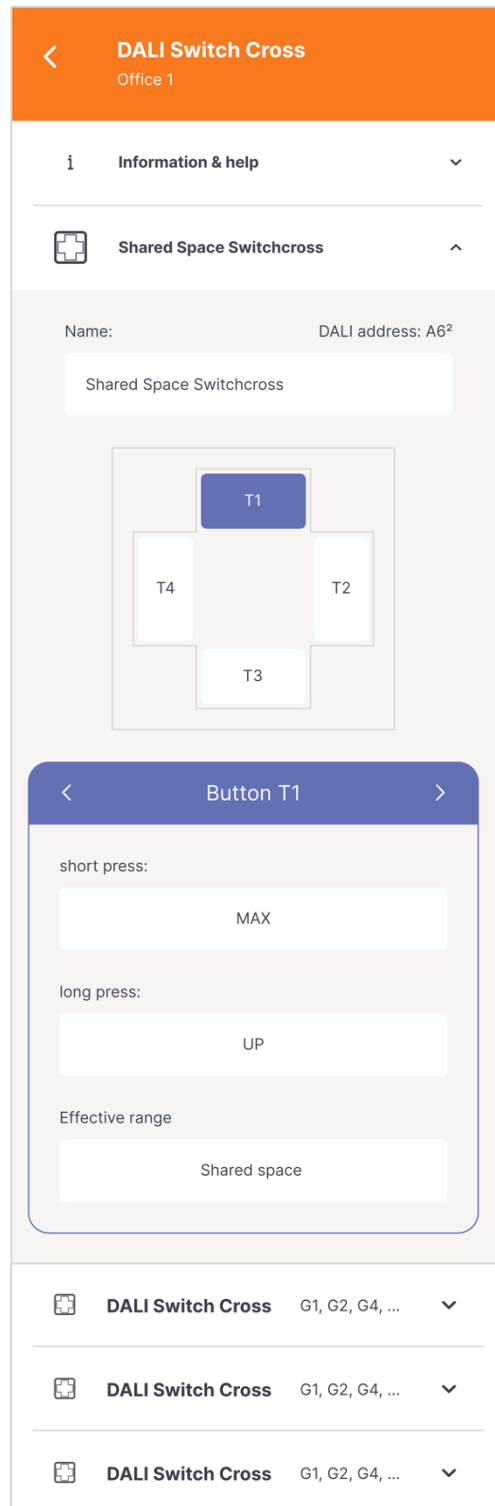
Configuration page: Sensors: Motion sensor - DALI CS
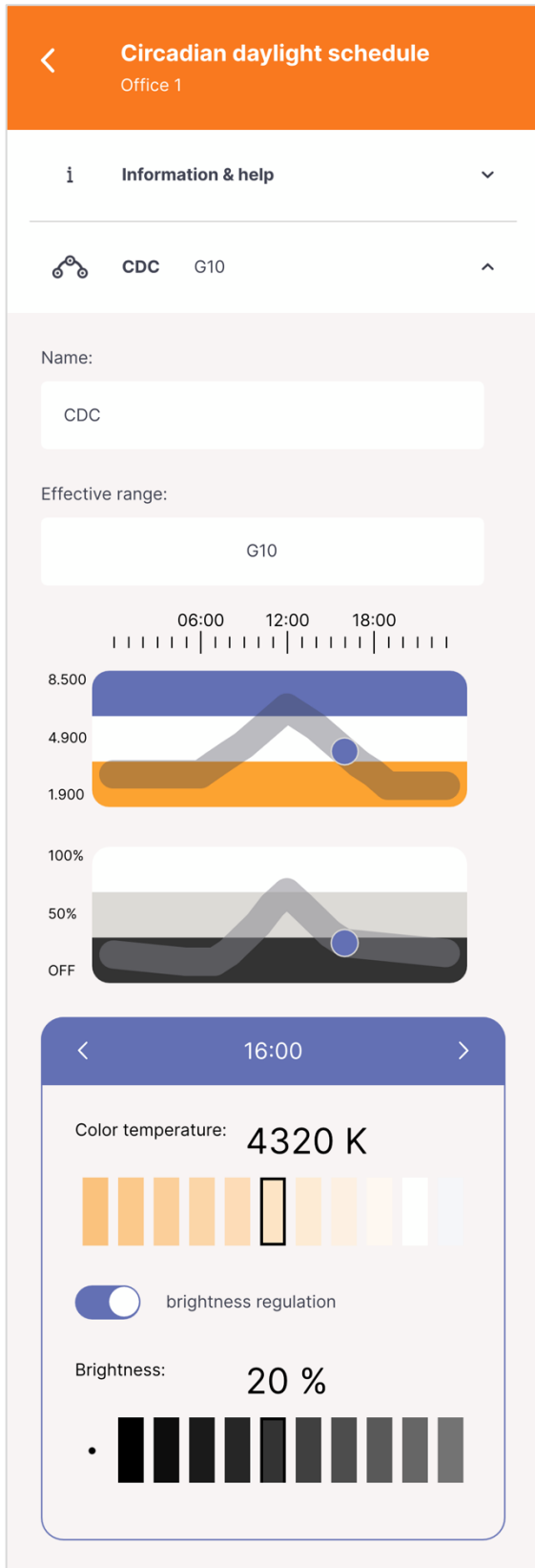
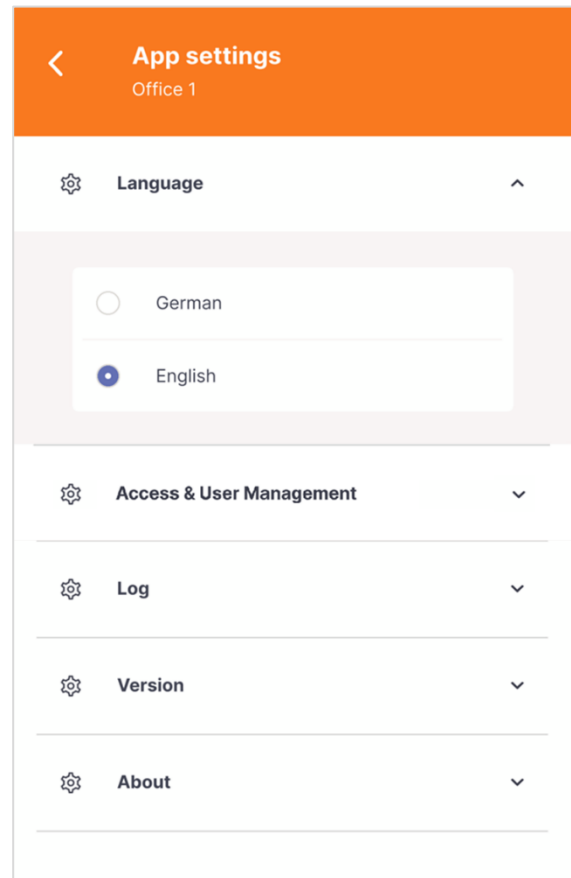**Configuration page:** Automation: Time switch - DALI RTC
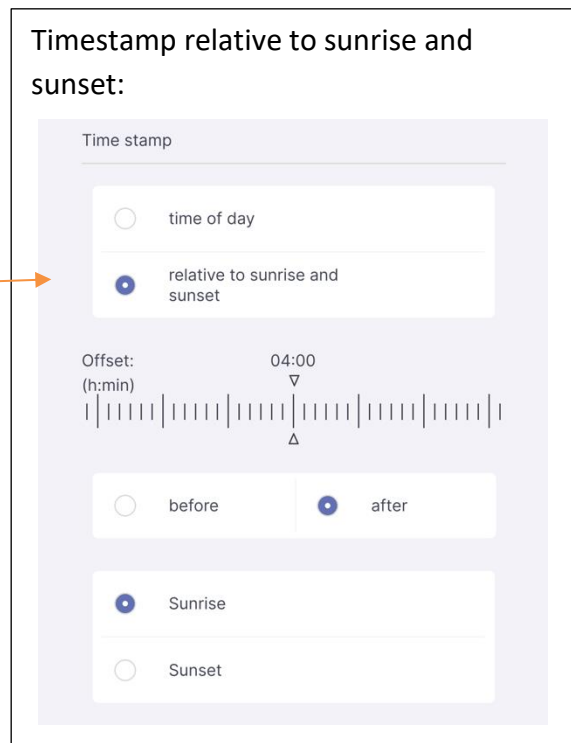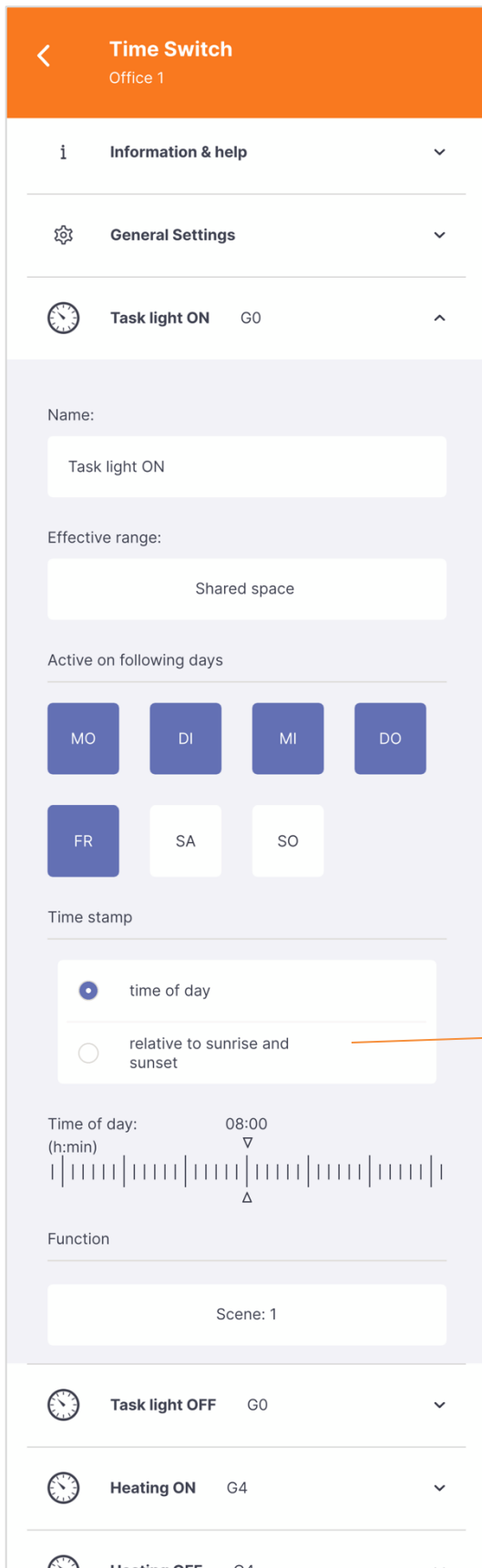
up to 28 entries

Configuration page: Automation:
Circadian Daylight Schedule - DALI CDC

Configuration page: App Settings:
General Settings

**Configuration-page:** Firmware Updates

The firmware of the DALI Room Controller can be loaded under **Settings: Version**. After loading the firmware, it is necessary to re-connect to the DALI Room Controller.

Attention: do not disconnect or interrupt the Bluetooth connection during the firmware update!

Info: The latest firmware version of the DALI Room Controller may not be compatible with old app versions. If you have problems with the connection, please download the latest app.

Configuration-page: User Management
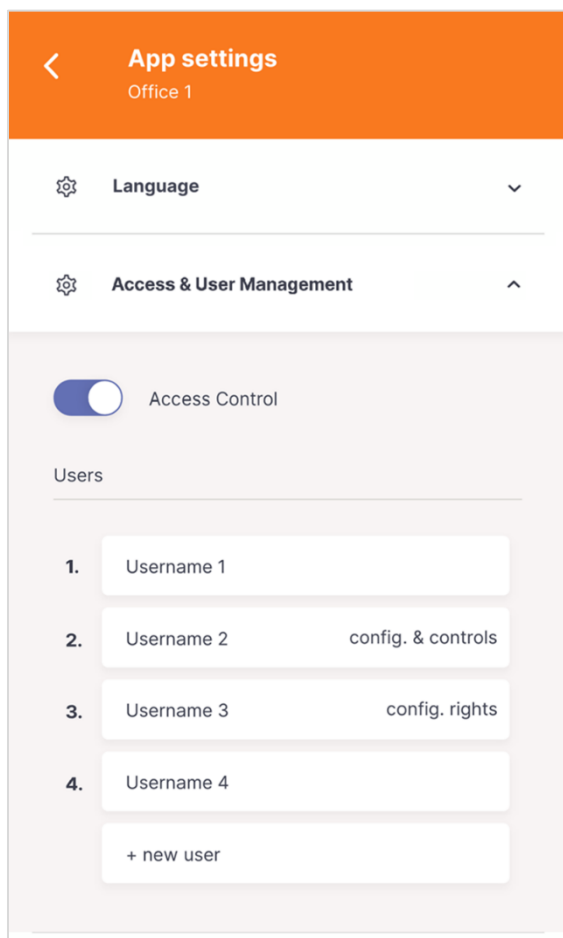
The access and user management is from app version 1.6 and Room Controller firmware version 1.12. available

The user management can be found using the button on the control-page

or accessed via the settings page.

When the user access management is activated, the DALI Room Controller checks whether the devices trying to establish a connection are registered users; if not, the connection is not permitted.

Activate the Access & User Management
The user management can be activated using the slider.

The phone with which the user management is activated automatically becomes the administrator.

Additional users with administrator rights can then be created.

Creating a user
Up to 50 users can be created.

Users can be created with different rights. The following user rights are available::

- no rights
- control rights
- control and configuration rights
- administrator

The permissions granted with the respective rights are listed in the table below (see page 18).

After the user has been created, it needs to be shared with the respective user: by selecting: "Share user".

Another page opens for the selection of widgets which can be shared additionally with the user.

By selecting "Share" the user (and widgets, if applicable) can be sent to the respective user.

Die zugesendete Datei kann von dem Benutzer über die App geöffnet werden, dieses Telefon wird bei der nächsten Verbindung mit dem Room Controller als der Benutzer registriert.

By opening the file with the Cockpit Mobile app, that phone will be registered as the shared user, the next time it is connected to the respective Room Controller.

	user	user with control-rights	user with control- and configuration rights	administrator
using shared widgets	✓	✓	✓	✓
create and edit widgets	-	✓	✓	✓
configuration-page – edit device configuration	-	-	✓	✓
DALI installation-wizard	-	-	✓	✓
basic settings: language, units, about	✓	✓	✓	✓
rename DALI Room Controller	-	-	✓	✓
version + firmware update	-	-	✓	✓
user management: create and edit users	-	-	-	✓

Edit a user
User rights can be extended or removed by an administrator at any time, an active connection to the Room Controller is necessary.

Attention: widgets that have already been shared cannot be retrieved and must be deleted by users themselves.

Users can also be deleted. However, an administrator cannot delete himself, only by another administrator.

Troubleshooting when losing access
If the administrator phone is no longer available and there are no other administrators, access can be reactivated using the button on the Room Controller.

step 1: press and hold the button on the device for more than 10 seconds (LED on the device lights up continuously)

step 2: connect to the Room Controller via the app.

step 3: activate the user management manually in the app. The activation adds the phone as an administrator.

If after step 1, steps 2 and 3 do not follow within the next minute, the original user administration becomes active again.

Contact

Technical Support: support@lunatone.com

Requests: sales@lunatone.com

www.lunatone.com

Disclaimer

Subject to change. Information provided without guarantee. The datasheet refers to the current delivery.

The function in installations with other devices must be tested for compatibility in advance